

AMENDMENTS TO THE CLAIMS

We claim:

1. (Currently amended) A process for preparing impact-modified polystyrene ~~which has a melt volume flow ratio MVR of at least 8 cm³/10 min, measured to EN ISO 1133 at a test temperature of 200°C with a nominal load of 5 kg, by~~ comprising anionic polymerization of styrene in the presence of a styrene-butadiene block copolymer, wherein: the process comprises using use is made of an organyl alkali metal compound as an anionic polymerization initiator, and of an organyl aluminum compound as a retarder; and the impact-modified polystyrene has a melt volume flow ratio MVR of at least 8 cm³/10 min, measured to EN ISO 1133 at a test temperature of 200°C with a nominal load of 5 kg.

2. (Currently Amended) ~~A process as claimed in~~ The process according to claim 1, where sec-butyllithium is used as an anionic polymerization initiator.

3. (Currently Amended) ~~A process as claimed in claim 1 or 2~~ The process according to claim 1, where triisobutylaluminum (TIBA) is used as a retarder.

4. (Currently Amended) ~~A process as claimed in any of claims 1 to 3~~ The process according to claim 1, where the anionic polymerization is undertaken in the presence of an initiator composition which is obtainable by mixing sec-butyllithium and styrene, and then adding TIBA.

5. (Currently Amended) A process for preparing thermoplastic molding compositions, said molding compositions comprising:

a) from 50 to 99.9% by weight of an anionically polymerized impact-modified polystyrene ~~that which is prepared as claimed in any of claims 1 to 4~~ according to claim 1;
and

b) from 0.1 to 50% by weight of a rubber-free or impact-modified polystyrene polymerized by an anionic or free-radical route and having a number-average molar mass of not more than 20,000 g/mol, determined by gel permeation chromatography in tetrahydrofuran.

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~~6.~~ (New) The process according to claim 2, where triisobutylaluminum (TIBA) is used as a retarder.

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~~7.~~ (New) The process according to claim 2, where the anionic polymerization is undertaken in the presence of an initiator composition which is obtainable by mixing sec-butyllithium and styrene, and then adding TIBA.

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~~8.~~ (New) The process according to claim 3, where the anionic polymerization is undertaken in the presence of an initiator composition which is obtainable by mixing sec-butyllithium and styrene, and then adding TIBA.